Foundations 11 Final Project: Statistical Appreciation

The Details:

* You have the opportunity to either work by yourself or with a partner
* You are responsible for creating a survey and collecting 50 responses
* Your survey must contain 10+ good\* questions

\* Definition of good to be discussed in class (include “other”, no bias, …)

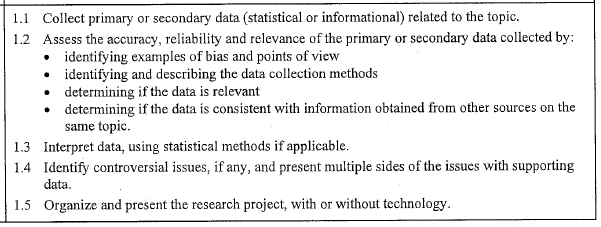
\* At least one question must have a range of numerical answers, for stats.

* Working with the Rubric provided, prepare a 5 to 10 minute presentation including representing your data using graphs & statistical methods where appropriate

The Presentation:

* All presentations are due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + All class members are expected to pay full attention during a presentation and participate in the question period after a presentation.
  + See below as well as the rubric for the project expectations
* Research question and hypothesis (your guess as to the answer to your research question).
* Analysis of the data/Discussion –
  + Use Ch 5 Statistics to represent your data: see rubric for details.
  + Interpret your data. Explain what your data means in terms of your research question.
* Was your research question appropriate? Was it too broad or too specific?
* Why is your research significant?
* Explain why you chose the sampling method you did. Is your sample representative of the greater population?
* Was your data collection method appropriate?
* Were there any issues that arose during your data collection that may have influenced your findings? Was there bias?
* Conclusion **-** Summarize your findings.
  + Was your hypothesis supported or not?
  + Does the data answer your question or do you need to do further research?
  + What are the limitations of your findings?

General Outcome: Develop an appreciation of the role of mathematics in society.



**Statistical Specific Outcomes**

General Outcome: Develop Statistical Reasoning.

